

Illinois State University

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About This Report

About Your Multi-Year Report

For institutions participating in multiple NSSE administrations since 2013, the year of the last survey update, this report presents year-to-year results for Engagement Indicators (EIs), High-Impact Practices (HIPs), and key academic challenge items to illustrate patterns of change or stability. It also provides details such as numbers of respondents, standard deviations, and standard errors so that statistical tests can be calculated.

For more information and recommendations for analyzing NSSE data over time, view our webinar entitled *Recommendations for Using Multiple Years of NSSE Data:* http://go.iu.edu/2R1r

This report contains three main parts: (a) a page that provides a quick reference to important information about each year's administration, (b) multi-year figures, and (c) detailed statistics. Key terms and features are illustrated below.

Report sections

Administration Summaries (p. 3)	A summary of respondent counts, response rates, sampling errors, and administration details for each participation year.
Engagement Results by Theme (pp. 4-7)	Results for ten EIs and selected individual survey items are displayed, organized under four broad themes. The Academic Challenge theme is represented by four EIs as well as several individual items. The three remaining engagement themes (Learning with Peers, Experiences with Faculty, and Campus Environment) are each represented by two EIs.
High-Impact Practices (pp. 8-9)	Results for six HIPs are displayed. First-year student results indicate students who participated in service-learning, a learning community, and research with faculty, and who <i>planned to do</i> an internship or field experience, study abroad, and a culminating senior experience. Senior results indicate students who participated in all six.
Detailed Statistics (pp. 10-13)	Displays detailed information for results including counts, standard errors, and confidence intervals (CIs) for each measure.

Interpreting year-to-year results

When examining year-to-year results, you may wonder whether observed differences signify meaningful change and whether a trend is indicated. Figures display CIs around each score showing the range of values that is estimated to contain the population score 95% of the time. Upper and lower CI bounds are also reported in the Detailed Statistics section.

For further investigation

The Report Builder, updated with current data in the fall, allows for multi-year analysis of Engagement Indicators and individual items (including HIPs). It also affords the analysis of results by subpopulation. The Report Builder can be accessed via the NSSE Institution Interface.



Administration Summaries Illinois State University

The precision of an institution's population estimates can vary between administrations. An important early step in conducting a multi-year analysis is to review data quality. The values in the tables below were drawn from your *Administration Summary* reports.

Response Details by Participation Year

		Fir	rst-year studen	its		Seniors											
Year	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions	Response rate ^a	Sampling error ^b	Total respondents ^c	Full completions	Partial completions							
2013	8%	+/- 6.2%	228	164	64	14%	+/- 3.8%	566	464	102							
2014																	
2015																	
2016	17%	+/- 3.7%	579	449	130	22%	+/- 3.5%	607	499	108							
2017																	
2018																	
2019	11%	+/- 5.0%	341	262	79	16%	+/- 4.1%	478	419	59							
2020	8%	+/- 5.4%	302	224	78	9%	+/- 4.9%	364	309	55							
2021																	
2022																	
2023	18%	+/- 3.6%	611	487	124	22%	+/- 3.0%	849	746	103							

Administration Details by Participation Year

			Incentives		Report Sample		
Year	Recruitment method	Sample type	offered	Additional question sets	identified ^d	BCSSE	FSSE
2013	Email	Census	No	None	No	Yes	No
2014							
2015							
2016	Email	Census	Yes	None	No	Yes	No
2017							
2018							
2019	Email	Census	Yes	Civic Engagement	No	Yes	No
2020	Email	Census	Yes	Inclusiv & Cult Div	No	Yes	No
2021							
2022							
2023	Email	Census	Yes	None	No	Yes	No

Note: All of your institution's participation years since 2013 (the first year of the updated NSSE) are reported. Years in which your institution did not participate are blank.

a. Response rates (number of respondents divided by sample size) are adjusted for ineligibility, nondeliverable addresses, and students who were unavailable during the survey administration.

b. Sampling error gauges the precision of results based on a sample survey. It is an estimate (at the 95% confidence level) of how much results for your respondents could differ from those of the entire population of students at your institution. While data with larger sampling errors (such as +/-10%) need not be dismissed out of hand, such results should be interpreted more conservatively.

c. Count used to calculate response rates and sampling errors for each Administration Summary report. Includes all census-administered and randomly sampled students, regardless of "Report Sample" designation.

d. Starting in 2017, institutions had the option to flag a subset of students for exclusion from reports. Refer to your Administration Summary reports.

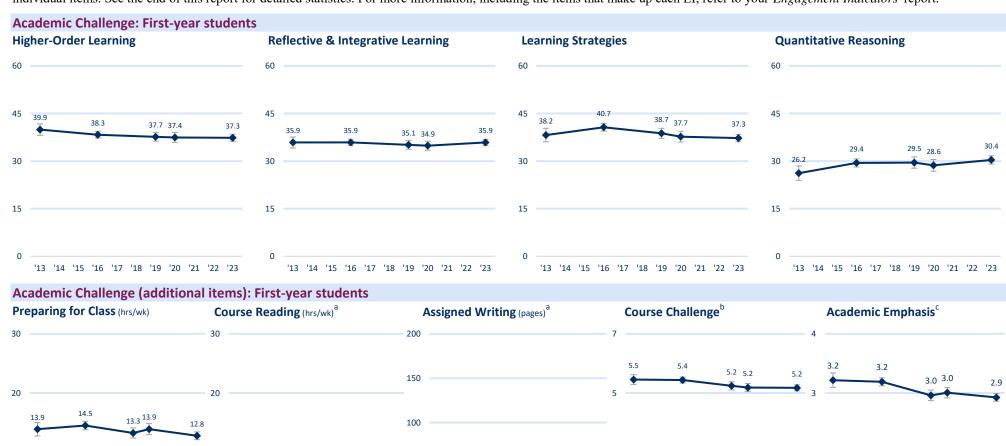


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NSSE 2023 Multi-Year Report

Engagement Results by Theme Illinois State University

Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. The Academic Challenge theme contains four EIs as well as several important individual items. See the end of this report for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.



'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23

'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23

'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23

10

5.2

'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23

a. Values for Course Reading and Assigned Writing are estimates calculated from two or more survey questions. The Course Reading item changed in 2014; comparability between 2013 and later years is limited.

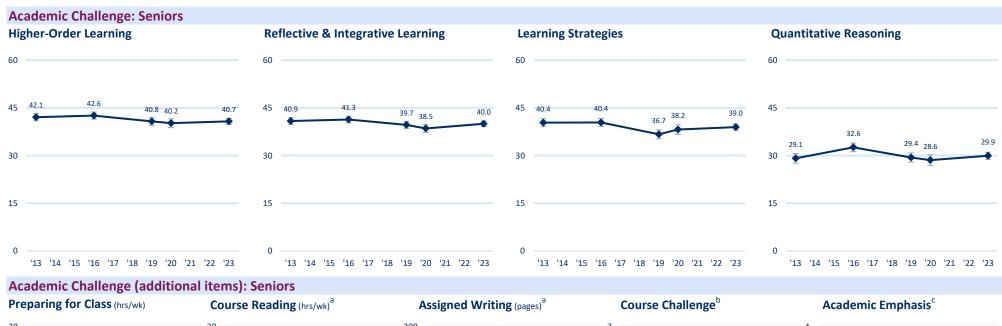
b. Extent to which courses challenged students to do their best work (1 = "Not at all" to 7 = "Very much").

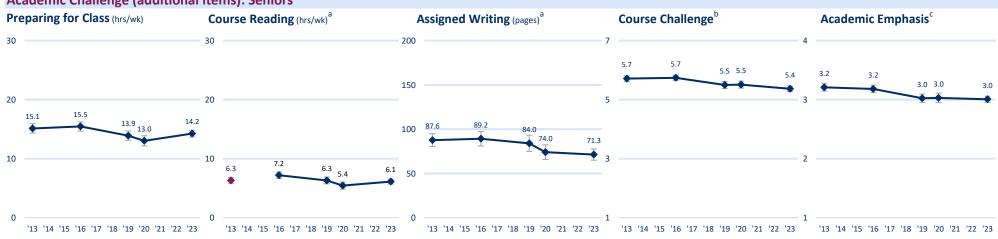
c. How much students said the institution emphasizes spending significant time studying and on academic work (1 = "Very little," 2 = "Some," 3 = "Quite a bit," and 4 = "Very much").



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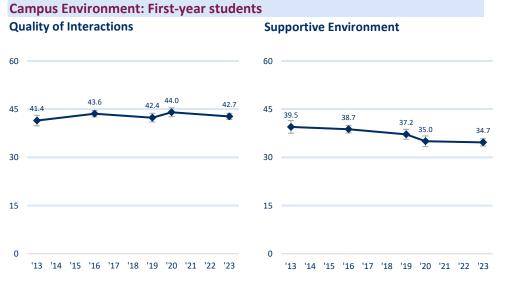
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Engagement Indicators (EIs) represent the average student responses to a set of related survey questions. Each theme below is represented by two EIs. See pages 10-12 for detailed statistics. For more information, including the items that make up each EI, refer to your *Engagement Indicators* report.







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'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23

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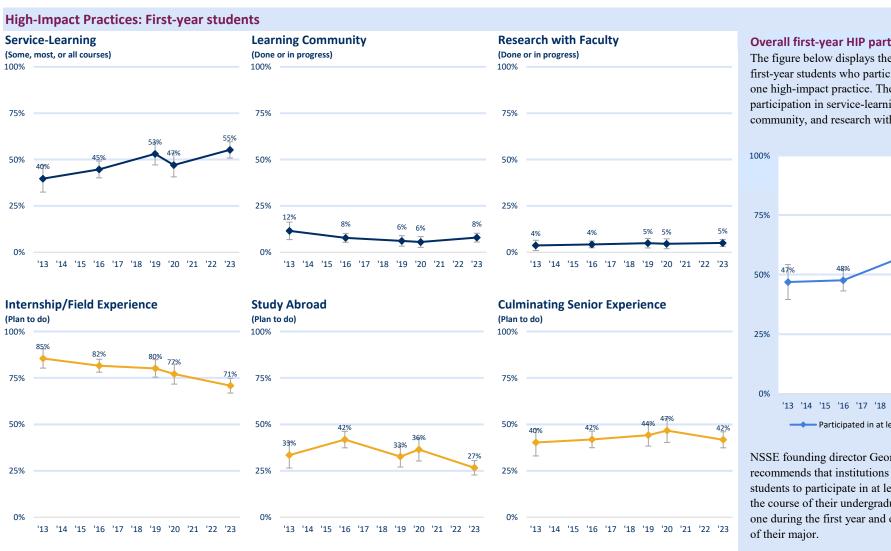


'13 '14 '15 '16 '17 '18 '19 '20 '21 '22 '23



High-Impact Practices Illinois State University

Due to their positive associations with student learning and retention, certain undergraduate opportunities are designated "high-impact." The figures below display first-year students' participation, or intent to participate, in High-Impact Practices (HIPs) by year. See page 13 for detailed statistics. For more information, refer to your High-Impact Practices report.



Overall first-year HIP participation

The figure below displays the percentages of first-year students who participated in at least one high-impact practice. The figure is limited to participation in service-learning, a learning community, and research with faculty.

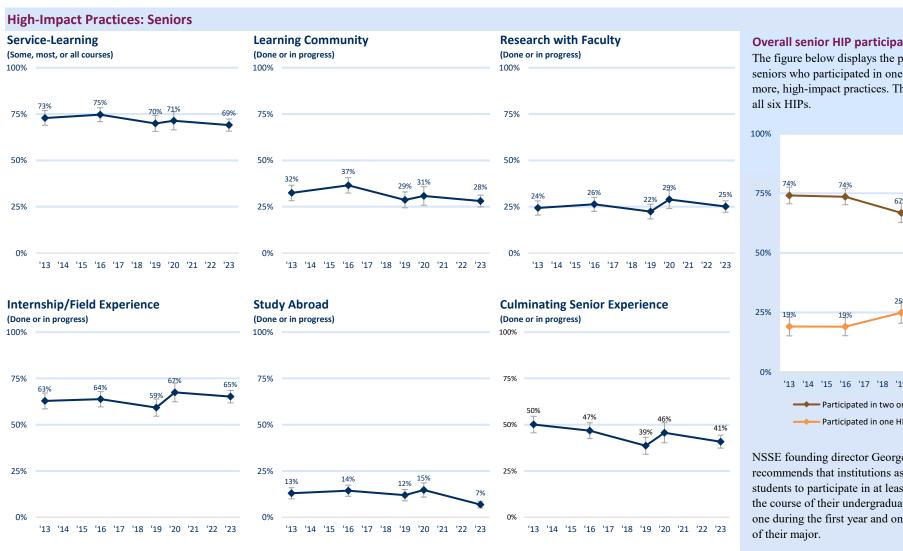


NSSE founding director George Kuh recommends that institutions aspire for all students to participate in at least two HIPs over the course of their undergraduate experience one during the first year and one in the context



High-Impact Practices Illinois State University

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Overall senior HIP participation

The figure below displays the percentages of seniors who participated in one, and two or more, high-impact practices. The figure includes



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Detailed Statistics: Engagement Indicators and Additional Challenge Items

Illinois State University

			First-year students										Seniors										
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Academic Challenge																							
Higher-Order	Mean	39.9			38.3			37.7	37.4			37.3	42.1			42.6			40.8	40.2			40.7
Learning	n	189			513			290	256			529	509			548			441	330			782
· ·	SD	12.7			12.5			12.0	12.6			13.2	13.7			13.3			13.2	13.0			13.3
	SE	.93			.55			.70	.79			.58	.61			.57			.63	.72			.48
	CI up bnd	41.7			39.4			39.1	39.0			38.5	43.3			43.7			42.0	41.6			41.7
	CI low bnd	38.1			37.2			36.3	35.9			36.2	40.9			41.5			39.5	38.8			39.8
Reflective &	Mean	35.9			35.9			35.1	34.9			35.9	40.9			41.3			39.7	38.5			40.0
Integrative	n	197			537			305	278			568	523			566			458	340			812
Learning	SD	12.3			11.7			12.3	11.9			11.9	12.6			12.5			12.1	11.5			12.6
2001111118	SE	.88			.51			.70	.71			.50	.55			.53			.56	.62			.44
	CI up bnd	37.6			36.9			36.5	36.3			36.9	41.9			42.4			40.8	39.7			40.9
	CI low bnd	34.1			34.9			33.7	33.5			34.9	39.8			40.3			38.6	37.3			39.1
Learning	Mean	38.2			40.7			38.7	37.7			37.3	40.4			40.4			36.7	38.2			39.0
Strategies	n	177			471			276	237			503	479			513			432	328			768
	SD	14.4			13.4			13.4	13.4			13.3	14.3			14.6			14.9	14.0			13.8
	SE	1.08			.62			.81	.87			.59	.65			.64			.72	.77			.50
	CI up bnd	40.3			41.9			40.3	39.4			38.4	41.6			41.7			38.1	39.7			39.9
	CI low bnd	36.1			39.4			37.2	36.0			36.1	39.1			39.1			35.3	36.7			38.0
Quantitative	Mean	26.2			29.4			29.5	28.6			30.4	29.1			32.6			29.4	28.6			29.9
Reasoning	n	195			521			279	246			512	519			559			434	329			767
	SD	16.1			14.8			15.2	14.9			15.3	17.6			16.5			15.6	15.7			15.9
	SE	1.15			.65			.91	.95			.67	.77			.70			.75	.86			.57
	CI up bnd	28.5			30.7			31.3	30.5			31.7	30.6			34.0			30.8	30.3			31.1
	CI low bnd	23.9			28.2			27.8	26.8			29.0	27.6			31.2			27.9	26.9			28.8
Academic Challenge ((additional it																						
Preparing for	Mean	13.9			14.5			13.3	13.9			12.8	15.1			15.5			13.9	13.0			14.2
Class (hours/week)	n	166			453			262	230			490	460			500			427	317			750
	SD	7.5			7.7			7.0	7.2			7.4	8.8			8.8			8.3	7.8			8.0
	SE	.58			.36			.44	.47			.34	.41			.39			.40	.44			.29
	CI up bnd	15.0			15.2			14.1	14.8			13.4	15.9			16.2			14.7	13.9			14.8
	CI low bnd	12.7			13.8			12.4	13.0			12.1	14.3			14.7			13.1	12.2			13.7
Course Reading	Mean	5.2			6.2			5.7	6.2			5.3	6.3			7.2			6.3	5.4			6.1
Est. hrs per wk calculated	n	164			450			261	225			487	460			495			426	316			743
from two items. Item	SD	4.7			5.4			4.9	5.2			5.2	5.3			6.2			6.0	5.5			5.8
wording changed in 2014;	SE	.36			.25			.30	.35			.23	.25			.28			.29	.31			.21
comparability with '13 is	CI up bnd	5.9			6.7			6.3	6.9			5.8	6.8			7.7			6.9	6.0			6.6
limited.	CI low bnd	4.5			5.7			5.1	5.6			4.8	5.8			6.6			5.7	4.8			5.7

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: Engagement Indicators and Additional Challenge Items
Illinois State University

		First-year students												Seniors										
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	
Academic Challenge	(additional i	tems, c	ontinued	1)																				
Assigned Writing	Mean	32.0			35.8			38.4	36.2			44.2	87.6			89.2			84.0	74.0			71.3	
Estimated number of pages	n	173			451			277	243			509	449			504			432	327			77:	
calculated from three survey	SD	29.3			38.4			44.4	62.9			75.2	77.4			93.2			97.2	76.7			90.	
questions.	SE	2.23			1.81			2.67	4.03			3.33	3.65			4.15			4.68	4.24			3.2	
	CI up bnd	36.4			39.4			43.6	44.1			50.7	94.8			97.3			93.2	82.3			77.	
	CI low bnd	27.7			32.3			33.1	28.3			37.7	80.5			81.0			74.9	65.7			64.9	
Course Challenge	Mean	5.5			5.4			5.2	5.2			5.2	5.7			5.7			5.5	5.5			5.4	
Extent to which courses	n	178			478			274	237			501	482			520			427	327			768	
challenged students to do	SD	1.1			1.1			1.2	1.1			1.1	1.1			1.0			1.2	1.1			1.3	
best work (1="Not at all" to 7="Very much").	SE	.08			.05			.07	.07			.05	.05			.04			.06	.06			.05	
7 - Very mach j.	CI up bnd	5.6			5.5			5.4	5.3			5.3	5.8			5.8			5.6	5.6			5.5	
	CI low bnd	5.3			5.3			5.1	5.0			5.1	5.6			5.7			5.4	5.4			5.3	
Academic	Mean	3.2			3.2			3.0	3.0			2.9	3.2			3.2			3.0	3.0			3.0	
Emphasis	n	166			458			267	234			496	462			502			427	324			758	
Perceived inst'l emphasis on	SD	0.8			0.7			0.7	0.7			0.7	0.7			0.7			0.7	0.7			0.7	
spending significant time	SE	.06			.03			.05	.05			.03	.03			.03			.04	.04			.03	
studying and on academic	CI up bnd	3.3			3.3			3.0	3.1			3.0	3.3			3.2			3.1	3.1			3.1	
work (1 = "Very little" to 4 = "Very much").	CI low bnd	3.1			3.1			2.9	2.9			2.9	3.1			3.1			3.0	2.9			3.0	
Learning with Peers																								
Collaborative	Mean	33.0			35.4			35.0	32.2			31.1	35.3			37.9			37.0	36.1			34.0	
Learning	n	211			548			320	292			582	533			579			466	354			829	
Learning	SD	13.5			13.2			13.2	12.7			13.5	13.7			13.9			13.8	13.1			13.8	
	SE	.93			.56			.74	.75			.56	.59			.58			.64	.69			.48	
	CI up bnd	34.8			36.5			36.5	33.7			32.2	36.5			39.0			38.3	37.5			34.9	
	CI low bnd	31.1			34.3			33.6	30.8			30.0	34.2			36.8			35.8	34.7			33.1	
Discussions with	Mean	39.5			41.7			40.4	40.4			39.5	41.5			40.6			40.1	40.8			39.9	
Diverse Others	n	178			472			276	238			501	484			516			431	327			770	
Director Others	SD	15.4			14.1			15.0	14.1			15.0	15.4			15.2			13.9	14.8			15.4	
	SE	1.16			.65			.90	.91			.67	.70			.67			.67	.82			.55	
	CI up bnd	41.8			43.0			42.2	42.2			40.8	42.8			41.9			41.4	42.4			41.0	
	CI low bnd	37.3			40.5			38.6	38.6			38.2	40.1			39.3			38.8	39.2			38.8	

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: Engagement Indicators and Additional Challenge Items
Illinois State University

			First-year students												Seniors									
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	
Experiences with Facu	lty																							
Student-Faculty	Mean	20.7			22.7			22.8	21.2			23.8	29.7			31.0			28.3	28.0			27.0	
Interaction	n	196			518			296	268			542	516			556			451	340			793	
	SD	14.5			14.8			14.5	14.1			14.9	16.3			16.7			16.3	16.3			15.	
	SE	1.04			.65			.84	.86			.64	.72			.71			.77	.88			.5	
	CI up bnd	22.8			23.9			24.5	22.9			25.0	31.1			32.4			29.8	29.7			28.:	
	CI low bnd	18.7			21.4			21.2	19.5			22.5	28.3			29.6			26.8	26.3			25.9	
Effective Teaching	Mean	39.3			39.1			37.4	37.1			36.8	43.3			42.8			41.0	41.6			41.1	
Practices	n	194			526			287	256			532	521			564			441	333			789	
	SD	12.7			12.4			12.4	12.2			12.7	13.4			13.4			13.0	11.6			13.1	
	SE	.91			.54			.73	.76			.55	.59			.56			.62	.63			.47	
	CI up bnd	41.1			40.2			38.9	38.6			37.9	44.4			43.9			42.2	42.9			42.0	
	CI low bnd	37.6			38.0			36.0	35.6			35.7	42.1			41.7			39.8	40.4			40.1	
Campus Environment																								
Quality of	Mean	41.4			43.6			42.4	44.0			42.7	44.0			45.0			43.7	44.3			42.8	
Interactions	n	173			456			260	224			472	464			496			410	316			728	
meracions	SD	10.9			10.8			11.2	10.5			10.5	10.3			10.3			11.0	10.2			11.7	
	SE	.83			.50			.69	.70			.48	.48			.46			.54	.57			.43	
	CI up bnd	43.1			44.5			43.7	45.4			43.7	45.0			45.9			44.8	45.4			43.7	
	CI low bnd	39.8			42.6			41.0	42.6			41.8	43.1			44.1			42.6	43.2			42.0	
Supportive	Mean	39.5			38.7			37.2	35.0			34.7	38.2			37.8			34.9	33.8			32.6	
Environment	n	163			453			262	230			491	458			501			428	316			749	
	SD	12.8			12.4			12.9	12.8			12.9	12.9			13.5			12.5	13.8			12.9	
	SE	1.01			.58			.80	.85			.58	.60			.61			.60	.78			.47	
	CI up bnd	41.4			39.9			38.7	36.7			35.8	39.4			39.0			36.1	35.3			33.5	
	CI low bnd	37.5			37.6			35.6	33.4			33.5	37.1			36.7			33.8	32.3			31.7	

Notes: n = Number of respondents; SD = Standard deviation; SE = Standard error of the mean; upper and lower bounds represent the 95% confidence interval (mean +/- 1.96 * SE).



Detailed Statistics: High-Impact Practices

Illinois State University

		First-year students Seniors																					
		'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23
Service-Learning ^a	%	40			45			53	47			55	73			75			70	71			69
ocivide zeariiiig	n	176			465			271	236			495	481			517			428	326			760
	SE	3.7			2.3			3.0	3.3			2.2	2.0			1.9			2.2	2.5			1.7
	CI up bnd	47			49			59	53			60	77			78			74	76			72
	CI low bnd	32			40			47	41			51	69			71			66	66			66
Learning	%	12			8			6	6			8	32			37			29	31			28
Community ^a	n	178			473			274	236			501	480			517			429	326			765
,	SE Character of	2.4 16			1.2			1.4 9	1.5 8			1.2	2.1 37			2.1			2.2	2.6 36			1.6
	CI up bnd CI low bnd	7			10 5			3	8 3			10 6	37 28			41 32			33 24	36 26			31 25
Danagash sadah	%	4			4			5 5	<u> </u>			5	24			26			22	20			25
Research with	n	178			472			273	237			500	479			519			429	326			764
Faculty ^a	SE	1.4			0.9			1.3	1.4			1.0	2.0			1.9			2.0	2.5			1.6
	CI up bnd	6			6			7	7			7	28			30			26	34			28
	CI low bnd	1			2			2	2			3	20			22			18	24			22
Internship or Field	%	85			82			80	77			71	63			64			59	67			65
•	n	179			474			275	235			502	483			521			431	326			769
Experience ^b	SE	2.6			1.8			2.4	2.7			2.0	2.2			2.1			2.4	2.6			1.7
(First-year results: Plan to	CI up bnd	91			85			85	82			75	67			68			64	73			69
do)	CI low bnd	80			78			75	72			67	59			60			55	62			62
Study Abroad ^b	%	33			42			33	36			27	13			14			12	15			7
(First-year results: Plan to	n	178			474			273	237			501	481			517			429	326			765
do)	SE	3.5			2.3			2.8	3.1			2.0	1.5			1.5			1.6	2.0			0.9
	CI up bnd	40			46			38	43			30	16			17			15	19			9
	CI low bnd	27			37			27	30			23	10			11			9	11			5
Culminating Senior	%	40			42			44	47			42	50			47			39	46			41
Experience ^b	n SE	177			471			273	237			500	482			517			429	326			763
(First-year results: Plan to		3.7 47			2.3 46			3.0	3.3 53			2.2 46	2.3 55			2.2			2.4	2.8			1.8
do)	CI up bnd CI low bnd	33			46 37			50 38	53 40			46 37	55 46			51 42			43 34	51 40			44 37
·		33			37			36	40			3/	40			42			34	40			3/
Overall HIP Participa																							
Participated in one	%	41			40			51	48			50	19			19			25	18			25
HIP	n	179			475			274	237			501	483			522			431	326			769
	SE	3.7			2.3			3.0	3.3			2.2	1.8			1.7			2.1	2.1			1.6
	CI up bnd	48			45			57	55			54	23			22			29	22			28
	CI low bnd	33			36			45	42			45	16			16			21	14			21
Participated in two	%	6			7			6	4			8	74			74			67	75			69
or more HIPs	n SE	179 1.8			475 1.2			274	237 1.3			501 1.2	483			522			431	326			769
		1.8 10			1.2			1.4 9	1.3 6			1.2 11	2.0 78			1.9 77			2.3 71	2.4 80			1.7 72
	CI up bnd CI low bnd	10 3			10 5			3	6 1			11 6	78 70			77 70			71 62	80 70			72 66
	CI IUW DIIQ	3			Э			3	1			Ö	/U			70			02	70			00

Notes: n = Number of respondents; SE = Standard error of the proportion (sqrt[(p*(1-p))/(n-1)]) where p is the proportion; upper and lower bounds represent the 95% confidence interval (p+/-1.96 * SE).

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a. Results are the percentage who had done the activity.

b. First-year results are the percentage who planned to do the activity; Senior results are the percentage who had done the activity.

c. First-year results are limited to participation in a Learning Community, Service-Learning, and Research with Faculty; senior results include all six HIPs.